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DRAFT

Extract from IMPLEMENTATION GUIDE
TRANSACTION "TRACEABILITY DESPATCHING ADVICE"

Version: draft

Date of release: 9/10/2022

Document code: TRC003e

technical Documentation: <http://www.ebiz.enea.it>

XML Schemas repository: <http://www.ebiz.enea.it/moda-ml/repository/schema/draft/default.asp>

Guides repository: <http://www.ebiz.enea.it/moda-ml/repository/guide/draft/default.asp>

Guide filename: TRC003-eBIZ-TraceabilityDespatchingAdvice.pdf

0. PREMISE

This document contains a proposal for the updating and extension of eBIZ specifications starting from the eBIZ version 2018. Under the name of 'Draft version' it is reported the result of an extensive work of analysis and consultation aimed at developing and maintaining eBIZ specifications.

In particular, the content of this proposal is the result of various activities, mainly those carried out within the framework of the **TRICK project** funded by the European Commission: grant agreement 958352, call H2020-LOW-CARBON-CIRCULAR-INDUSTRIES-2020 / H2020-LCCI-2020-EASME-twostage.

The technical contents are backwards compatible with the latest official published version, with the exclusion of the totally new concepts added explicitly for the version that are thought as incremental evolution of the knowledge base.

1. BUSINESS DESCRIPTION

1.1 Scope

This guide aims to illustrate to fashion companies the standard XML format of the document type "TRACEABILITY DESPATCHING ADVISE", providing instructions for its use in the context of a TRACEABILITY SYSTEM involving Fashion Manufacturers, their customers, third parties and in case customs authorities, eBusiness and eCommerce platforms.

All the rules necessary for the construction and validation of the document are expressed through a specific XML schema, which is presented in detail in the paragraph "Implementation Guide".

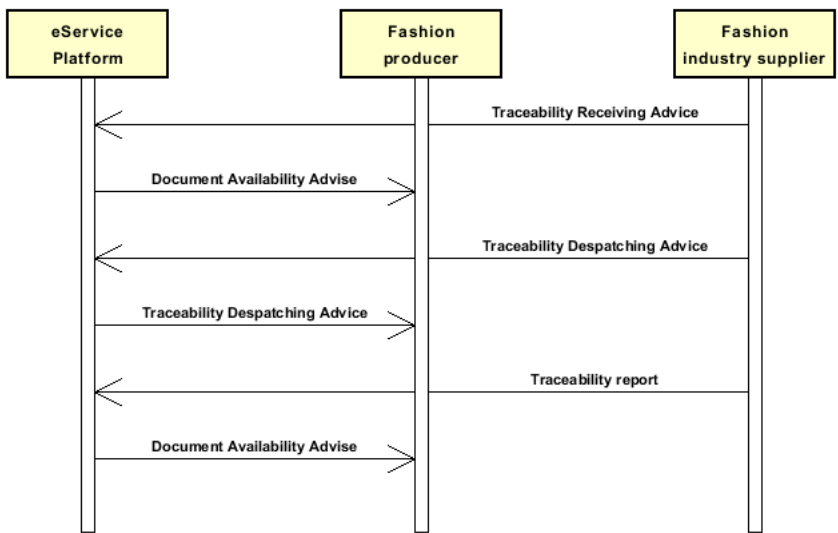
1.2 Generalities

The message is issued to record in the traceability system and anticipate to the destinationparty the information of the shipment of the product (it does not indicate the 'ready to send' condition, for this purpose use a normal despatch Advise); it may contain information such as transaction certificates relating to the goods shipped.

Each line of Traceability Despatch Advice must indicate the product with a unique code and can specify the Order line or other document to which it refers.

1.3. Possible scenario

P1.A2 Incoming material



2. IMPLEMENTATION GUIDE

2.1 General structure of XML document

All the business data that can be exchanged through this class of documents are shown in the following "document structure", that provides a simplified vision of the Schema.

In particular:

- the two numbers following each element define its "cardinality" (minimum and maximum number of occurrences); the minimum equal zero indicates that the element is optional, the minimum greater than zero indicates that is mandatory;
- the bold character denotes the complex elements (aggregates of simple elements) that were built for the sake of functionality and re-usability of some complex informations sets. The child elements in each parent element are easily spotted as "indented";
- the symbol "@" denotes an attribute of the preceding element; here "the usage indicator (optional, required, ...)" is shown in square brackets.

Structure

TRCDesAdvise

@TAtype [Optional]

@version [Optional] [Default= 2018-1]

@useProfile [Optional]

```
| TRCHeader 1-1
| | msgN 1-1
| | msgID 0-1
| | msgDate 1-1
| |   @dateForm [Optional]
| | refDoc 0-9
| |   @docType [Required]
| |   | docID 1-2
| |   |   @numberingOrg [Optional]
| |   | docDate 0-1
| |   |   @dateForm [Optional]
| |   | season 0-1
| |   |   @numberingOrg [Optional]
| |   |   @codeList [Optional]
| |   |   @listName [Optional]
| |   |   @listVersion [Optional]
| |   | itemID 0-1
| |   | attachment 0-1
| |   |   @uid [Optional]
| |   |   | fileName 0-1
| |   |   |   @numberingOrg [Optional]
| |   |   | binaryObject 0-1
| |   |   |   @format [Optional]
| |   |   |   @mime [Optional]
| |   |   |   @encoding [Optional]
| |   |   |   @characterSet [Optional]
| |   |   | externalReference 0-99
| |   |   |   | uri 1-1
| |   |   |   |   @isURL [Optional] [Default= true]
| |   |   |   |   mimeTypeCode 0-1
| |   |   |   |   formatCode 0-1
| |   |   |   |   encodingCode 0-1
| |   |   |   |   characterSetCode 0-1
| |   | certificate 0-9
| |   |   @docStatusCode [Required]
| |   |   @docValidity [Required]
| |   |   | docID 1-1
| |   |   |   @numberingOrg [Optional]
| |   |   | certificateID 1-1
| |   |   |   @schemeID [Optional]
| |   |   | certificationStandardName 1-1
| |   |   |   @standardOwner [Required]
| |   |   | docDate 1-1
| |   |   |   @dateForm [Optional]
| |   |   | title 0-unbounded
```

| @In [Optional]
 | description 0-unbounded
 | @In [Optional]
 | validityStart 0-1
 | @dateForm [Optional]
 | validityEnd 0-1
 | @dateForm [Optional]
 | validityExtensionDate 0-1
 | @dateForm [Optional]
 | sustainabilityCharacteristicText 0-99
 | @In [Optional]
 | **issuerParty 1-1**
 | | id 0-1
 | | @numberingOrg [Optional]
 | | legalName 0-1
 | | dept 0-1
 | | subDept 0-1
 | | person 0-1
 | | @email [Optional]
 | | @phone [Optional]
 | | @fax [Optional]
 | | street 0-1
 | | city 0-1
 | | subCountry 0-1
 | | country 0-1
 | | postCode 0-1
 | | **geoCoordinates 0-1**
 | | @um [Optional] [Default= DEGD]
 | | @geoReferenceSystem [Optional]
 | | | xGeoCoord 1-1
 | | | yGeoCoord 1-1
 | | | zGeoCoord 0-0
 | | issuerAccreditationInfo 0-1
 | **certifiedParty 1-1**
 | | id 0-1
 | | @numberingOrg [Optional]
 | | legalName 0-1
 | | dept 0-1
 | | subDept 0-1
 | | person 0-1
 | | @email [Optional]
 | | @phone [Optional]
 | | @fax [Optional]
 | | street 0-1
 | | city 0-1
 | | subCountry 0-1
 | | country 0-1
 | | postCode 0-1
 | | **geoCoordinates 0-1**
 | | @um [Optional] [Default= DEGD]
 | | @geoReferenceSystem [Optional]
 | | | xGeoCoord 1-1
 | | | yGeoCoord 1-1
 | | | zGeoCoord 0-0
 | **certifiedEntity 0-unbounded**
 | | entityID 1-3
 | | @schemeID [Required]
 | | entityTypeCode 1-1
 | | description 0-9
 | | @In [Optional]
 | **attachment 0-1**
 | @uid [Optional]
 | | fileName 0-1
 | | @numberingOrg [Optional]
 | | binaryObject 0-1
 | | @format [Optional]
 | | @mime [Optional]
 | | @encoding [Optional]

```

| | | | @characterSet [Optional]
| | | | externalReference 0-99
| | | | | uri 1-1
| | | | | @isURL [Optional] [Default= true]
| | | | | mimeTypeCode 0-1
| | | | | formatCode 0-1
| | | | | encodingCode 0-1
| | | | | characterSetCode 0-1
| | | | note 0-99
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @noteLabel [Optional]
| | externalRefDoc 0-9
| | | docID 1-1
| | | | @numberingOrg [Optional]
| | | | docDate 0-1
| | | | | @dateForm [Optional]
| | | | title 0-unbounded
| | | | | @ln [Optional]
| | | | description 0-unbounded
| | | | | @ln [Optional]
| | | | validityStart 0-1
| | | | | @dateForm [Optional]
| | | | validityEnd 0-1
| | | | | @dateForm [Optional]
| | | | documentType 0-1
| | | issuerParty 0-1
| | | | id 0-1
| | | | | @numberingOrg [Optional]
| | | | | legalName 0-1
| | | | | dept 0-1
| | | | | subDept 0-1
| | | | | person 0-1
| | | | | @email [Optional]
| | | | | @phone [Optional]
| | | | | @fax [Optional]
| | | | | street 0-1
| | | | | city 0-1
| | | | | subCountry 0-1
| | | | | country 0-1
| | | | | postCode 0-1
| | | | geoCoordinates 0-1
| | | | | @um [Optional] [Default= DEGD]
| | | | | @geoReferenceSystem [Optional]
| | | | | | xGeoCoord 1-1
| | | | | | yGeoCoord 1-1
| | | | | | zGeoCoord 0-0
| | | | issuerAccreditationInfo 0-1
| | signatureInformation 0-1
| | | signatureTypeCode 1-1
| | | signatoryParty 0-unbounded
| | | | id 0-1
| | | | | @numberingOrg [Optional]
| | | | | legalName 0-1
| | | | | dept 0-1
| | | | | subDept 0-1
| | | | | person 0-1
| | | | | @email [Optional]
| | | | | @phone [Optional]
| | | | | @fax [Optional]
| | | | | street 0-1
| | | | | city 0-1
| | | | | subCountry 0-1
| | | | | country 0-1
| | | | | postCode 0-1
| | | | | geoCoordinates 0-1
| | | | | | @um [Optional] [Default= DEGD]
| | | | | | @geoReferenceSystem [Optional]

```

```

| | | | xGeoCoord 1-1
| | | | yGeoCoord 1-1
| | | | zGeoCoord 0-0
| attachment 0-1
| @uid [Optional]
| | fileName 0-1
| | | @numberingOrg [Optional]
| | binaryObject 0-1
| | | @format [Optional]
| | | @mime [Optional]
| | | @encoding [Optional]
| | | @characterSet [Optional]
| | externalReference 0-99
| | | uri 1-1
| | | | @isURL [Optional] [Default= true]
| | | | mimeTypeCode 0-1
| | | | formatCode 0-1
| | | | encodingCode 0-1
| | | | characterSetCode 0-1
| | note 0-99
| | | @numberingOrg [Optional]
| | | @codeList [Optional]
| | | @noteLabel [Optional]
| senderParty 1-1
| @role [Optional]
| @sender [Optional]
| | id 1-1
| | | @numberingOrg [Optional]
| | legalName 0-1
| | dept 0-1
| | subDept 0-1
| | person 0-1
| | | @email [Optional]
| | | @phone [Optional]
| | | @fax [Optional]
| | street 0-1
| | city 0-1
| | subCountry 0-1
| | country 0-1
| | postCode 0-1
| | geoCoordinates 0-1
| | | @um [Optional] [Default= DEGD]
| | | @geoReferenceSystem [Optional]
| | | | xGeoCoord 1-1
| | | | yGeoCoord 1-1
| | | | zGeoCoord 0-0
| receiverParty 1-1
| @role [Optional]
| @sender [Optional]
| | id 1-1
| | | @numberingOrg [Optional]
| | legalName 0-1
| | dept 0-1
| | subDept 0-1
| | person 0-1
| | | @email [Optional]
| | | @phone [Optional]
| | | @fax [Optional]
| | street 0-1
| | city 0-1
| | subCountry 0-1
| | country 0-1
| | postCode 0-1
| | geoCoordinates 0-1
| | | @um [Optional] [Default= DEGD]
| | | @geoReferenceSystem [Optional]
| | | | xGeoCoord 1-1
| | | | yGeoCoord 1-1

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```

| | | zGeoCoord 0-0
| | thirdParty 0-5
| | @VAT [Optional]
| | @role [Required]
| | @sender [Optional]
| | | id 1-1
| | | | @numberingOrg [Optional]
| | | legalName 0-1
| | | dept 0-1
| | | subDept 0-1
| | | person 0-1
| | | | @email [Optional]
| | | | @phone [Optional]
| | | | @fax [Optional]
| | | street 0-1
| | | city 0-1
| | | subCountry 0-1
| | | country 0-1
| | | postCode 0-1
| | | geoCoordinates 0-1
| | | | @um [Optional] [Default= DEGD]
| | | | @geoReferenceSystem [Optional]
| | | | | xGeoCoord 1-1
| | | | | yGeoCoord 1-1
| | | | | zGeoCoord 0-0
| | note 0-99
| | | @numberingOrg [Optional]
| | | @codeList [Optional]
| | | @noteLabel [Optional]
|
| trade 0-1
| - choose -
| | incoTermText 1-1
| - or -
| | incoTerm 1-1
| - end choose -
| | location 0-1
| | | @LRI [Optional]
|
| TRCshipInfo 0-1
| | businessStepCode 1-1
| | | @numberingOrg [Optional]
| | | @codeList [Optional]
| | | @listName [Optional]
| | | @listVersion [Optional]
| | transInfo 1-9
| | | @transReason [Optional]
| | | @progr [Optional]
| | | | transMode 1-1
| | | | carrier 0-1
| | - choose -
| | | deliveryLocation 0-1
| | | | location 0-1
| | | | | @LRI [Optional]
| | | | legalName 0-1
| | | | dept 0-1
| | | | subDept 0-1
| | | | person 0-1
| | | | | @email [Optional]
| | | | | @phone [Optional]
| | | | | @fax [Optional]
| | | | street 0-1
| | | | city 0-1
| | | | subCountry 0-1
| | | | country 0-1
| | | | postCode 0-1
| | | | geoCoordinates 0-1
| | | | | @um [Optional] [Default= DEGD]

```



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| | | | @geoReferenceSystem [Optional]
| | | | | xGeoCoord 1-1
| | | | | yGeoCoord 1-1
| | | | | zGeoCoord 0-0
- or -
| | | | deliveryPlace 0-1
- end choose -
| | | | grossWeight 0-1
| | | | | @um [Required]
| | | | | netWeight 0-1
| | | | | @um [Required]
| | | | | transMeans 0-1
| | | | | @propulsionSystemCode [Optional]
| | | | | transCondition 0-3
| | | | | transConditionText 0-1
- choose -
| | | | | despatchPlace 0-1
- or -
| | | | despatchLocation 0-1
| | | | | legalName 0-1
| | | | | dept 0-1
| | | | | subDept 0-1
| | | | | person 0-1
| | | | | | @email [Optional]
| | | | | | @phone [Optional]
| | | | | | @fax [Optional]
| | | | | | street 0-1
| | | | | | city 0-1
| | | | | | subCountry 0-1
| | | | | | country 0-1
| | | | | | postCode 0-1
| | | | | | geoCoordinates 0-1
| | | | | | | @um [Optional] [Default= DEGD]
| | | | | | | @geoReferenceSystem [Optional]
| | | | | | | | xGeoCoord 1-1
| | | | | | | | yGeoCoord 1-1
| | | | | | | | zGeoCoord 0-0
- end choose -
| | | | | despatchDate 0-1
| | | | | | @dateForm [Optional]
| | | | | | delEffectiveDate 0-1
| | | | | | | @dateForm [Optional]
| | | | | | routeLength 0-1
| | | | | | | @um [Required]
| | | | eventSourceParty 0-1
| | | | | id 0-1
| | | | | | @numberingOrg [Optional]
| | | | | | legalName 0-1
| | | | | | dept 0-1
| | | | | | subDept 0-1
| | | | | | person 0-1
| | | | | | | @email [Optional]
| | | | | | | @phone [Optional]
| | | | | | | @fax [Optional]
| | | | | | | street 0-1
| | | | | | | city 0-1
| | | | | | | subCountry 0-1
| | | | | | | country 0-1
| | | | | | | postCode 0-1
| | | | | | | geoCoordinates 0-1
| | | | | | | | @um [Optional] [Default= DEGD]
| | | | | | | | @geoReferenceSystem [Optional]
| | | | | | | | | xGeoCoord 1-1
| | | | | | | | | yGeoCoord 1-1
| | | | | | | | | zGeoCoord 0-0
| | | | | | traceabilityPartyRole 0-1
| | | | | | | @numberingOrg [Optional]
| | | | | | | @codeList [Optional] [Default= http://www.ebiz.enea.it/moda-ml/repository/codelist/Draft/gc_TRKR1.xml]

```

```

| | @listName [Optional]
| | @listVersion [Optional]
| eventDestinationParty 0-1
| | id 0-1
| | @numberingOrg [Optional]
| | legalName 0-1
| | dept 0-1
| | subDept 0-1
| | person 0-1
| | @email [Optional]
| | @phone [Optional]
| | @fax [Optional]
| | street 0-1
| | city 0-1
| | subCountry 0-1
| | country 0-1
| | postCode 0-1
| | geoCoordinates 0-1
| | | @um [Optional] [Default= DEGD]
| | | @geoReferenceSystem [Optional]
| | | | xGeoCoord 1-1
| | | | yGeoCoord 1-1
| | | | zGeoCoord 0-0
| | | traceabilityPartyRole 1-1
| | | @numberingOrg [Optional]
| | | @codeList [Optional] [Default= http://www.ebiz.enea.it/moda-ml/repository/codelist/Draft/gc\_TRKR1.xml]
| | | @listName [Optional]
| | | @listVersion [Optional]
| eventDateTime 1-1
| @dateForm [Required]
| actualPackageUnit 0-unbounded
| @packageLevel [Optional]
| | packageIdentification 1-1
| | | packageN 1-1
| | | | @numberingOrg [Optional]
| | | | @packageContainerN [Optional]
| | | serialN 0-9
| | | | @numberingOrg [Optional]
| | | | @idQualifier [Optional]
| - choose -
| | packageText 0-1
| - or -
| | package 0-1
| - end choose -
| | packageModelCode 0-1
| | @numberingOrg [Optional]
| | volume 0-1
| | @um [Required]
| | netWeight 0-1
| | @um [Required]
| | grossWeight 0-1
| | @um [Required]
| | packageDim 0-1
| | | length 1-1
| | | @um [Required]
| | | width 0-1
| | | @um [Required]
| | | height 0-1
| | | @um [Required]
| | actualItemsPerPackage 0-1
| | packagesList 0-1
| | | packageIdentification 1-unbounded
| | | | packageN 1-1
| | | | @numberingOrg [Optional]
| | | | @packageContainerN [Optional]
| | | | serialN 0-9
| | | | @numberingOrg [Optional]
| | | | @idQualifier [Optional]

```

itemsList 0-1
 | qualityLevel 0-1
 | @numberingOrg [Optional]
 | @codeList [Optional]
 | @listName [Optional]
 | @listVersion [Optional]
 | **itemIdentification 1-unbounded**
 | serialN 1-9
 | @numberingOrg [Optional]
 | @idQualifier [Optional]
 | note 0-99
 | @numberingOrg [Optional]
 | @codeList [Optional]
 | @noteLabel [Optional]

TRCbody 1-1

TRCitem 1-unbounded
 | lineN 1-1
 | @VAT [Optional]
 | lineID 0-1
 | **refDoc 0-9**
 | @docType [Required]
 | docID 1-2
 | @numberingOrg [Optional]
 | docDate 0-1
 | @dateForm [Optional]
 | season 0-1
 | @numberingOrg [Optional]
 | @codeList [Optional]
 | @listName [Optional]
 | @listVersion [Optional]
 | itemID 0-1
 | **attachment 0-1**
 | @uid [Optional]
 | fileName 0-1
 | @numberingOrg [Optional]
 | binaryObject 0-1
 | @format [Optional]
 | @mime [Optional]
 | @encoding [Optional]
 | @characterSet [Optional]
 | **externalReference 0-99**
 | uri 1-1
 | @isURL [Optional] [Default= true]
 | mimeTypeCode 0-1
 | formatCode 0-1
 | encodingCode 0-1
 | characterSetCode 0-1

- choose -

| uniqueProductID 1-2
 | @schemeID [Required]

- or -

yarnCode 1-2
 | @numberingOrg [Optional] [Default= CL]
 | art 1-1
 | @numberingOrg [Optional]
 | @codeList [Optional]
 | @listName [Optional]
 | @listVersion [Optional]
 | color 0-1
 | @numberingOrg [Optional]
 | @codeList [Optional]
 | @listName [Optional]
 | @listVersion [Optional]
 | added 0-9
 | @numberingOrg [Optional]
 | @addType [Optional]
 | description 0-unbounded

| | | | @ln [Optional]
 - or -
 | | | | **texCode 1-2**
 | | | | @numberingOrg [Optional]
 | | | | art 1-1
 | | | | @numberingOrg [Optional]
 | | | | @codeList [Optional]
 | | | | @listName [Optional]
 | | | | @listVersion [Optional]
 | | | | pattern 0-1
 | | | | @numberingOrg [Optional]
 | | | | @codeList [Optional]
 | | | | @listName [Optional]
 | | | | @listVersion [Optional]
 | | | | color 0-1
 | | | | @numberingOrg [Optional]
 | | | | @codeList [Optional]
 | | | | @listName [Optional]
 | | | | @listVersion [Optional]
 | | | | added 0-9
 | | | | @numberingOrg [Optional]
 | | | | @addType [Optional]
 | | | | description 0-unbounded
 | | | | @ln [Optional]

- or -
 | | | | **acsCode 1-2**
 | | | | @numberingOrg [Optional]
 | | | | art 1-1
 | | | | @numberingOrg [Optional]
 | | | | @codeList [Optional]
 | | | | @listName [Optional]
 | | | | @listVersion [Optional]
 | | | | pattern 0-1
 | | | | @numberingOrg [Optional]
 | | | | @codeList [Optional]
 | | | | @listName [Optional]
 | | | | @listVersion [Optional]
 | | | | color 0-1
 | | | | @numberingOrg [Optional]
 | | | | @codeList [Optional]
 | | | | @listName [Optional]
 | | | | @listVersion [Optional]
 | | | | added 0-9
 | | | | @numberingOrg [Optional]
 | | | | @addType [Optional]
 | | | | description 0-unbounded
 | | | | @ln [Optional]

- or -
 | | | | **garmentPartCode 1-2**
 | | | | @numberingOrg [Optional]
 | | | | gPart 1-1
 | | | | mod 1-1
 | | | | @numberingOrg [Optional]
 | | | | @codeList [Optional]
 | | | | @listName [Optional]
 | | | | @listVersion [Optional]
 | | | | fabric 0-1
 | | | | @numberingOrg [Optional]
 | | | | @codeList [Optional]
 | | | | @listName [Optional]
 | | | | @listVersion [Optional]
 | | | | color 0-1
 | | | | @numberingOrg [Optional]
 | | | | @codeList [Optional]
 | | | | @listName [Optional]
 | | | | @listVersion [Optional]
 | | | | added 0-19
 | | | | @numberingOrg [Optional]

```

| | | | @addType [Optional]
| | | | size 0-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | description 0-unbounded
| | | | @ln [Optional]
- or -
| | | | garmentCode 1-2
| | | | @numberingOrg [Optional]
- choose -
| | | | garmentCodeB 1-1
| | | | @numberingOrg [Optional]
| | | | mod 1-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | fabric 0-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | color 0-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | garmentVariant 0-9
| | | | variantType 1-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | variantCode 1-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | drop 0-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | size 0-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | artGroup 0-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | added 0-9
| | | | @numberingOrg [Optional]
| | | | @addType [Optional]
| | | | description 0-unbounded
| | | | @ln [Optional]
- or -
| | | | garmentCodeA 1-1
| | | | art 1-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | | description 0-unbounded

```

```

| | | | @In [Optional]
| | | | - end choose -
- end choose -
| phaseCode 0-1
| | @numberingOrg [Optional]
| | @codeList [Optional]
| | @listName [Optional]
| | @listVersion [Optional]
| qty 1-2
| | @um [Required]
| acceptQty 0-1
| | @um [Required]
| qtyVariance 0-9
| | @um [Optional]
| | @varReason [Optional]
| csRange 0-99
| | @numberingOrg [Optional]
| | @sizeSystemNat [Optional]
| | @sizeSystemSeg [Optional]
| | @sizeSystemBase [Optional]
| | @sizeSystemID [Optional]
| | color 0-1
| | | @numberingOrg [Optional]
| | | @codeList [Optional]
| | | @listName [Optional]
| | | @listVersion [Optional]
| | garmentVariant 0-9
| | | variantType 1-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | | variantCode 1-1
| | | | @numberingOrg [Optional]
| | | | @codeList [Optional]
| | | | @listName [Optional]
| | | | @listVersion [Optional]
| | drop 0-1
| | | @numberingOrg [Optional]
| | | @codeList [Optional]
| | | @listName [Optional]
| | | @listVersion [Optional]
| | sizeMatrix 1-1
| | | sizeRow 1-99
| | | | additionalComponentCode 0-9
| | | | | @numberingOrg [Optional]
| | | | | @codeList [Optional]
| | | | | @listName [Optional]
| | | | | @listVersion [Optional]
| | | | drop 0-1
| | | | | @numberingOrg [Optional]
| | | | | @codeList [Optional]
| | | | | @listName [Optional]
| | | | | @listVersion [Optional]
| | | | size 1-1
| | | | | @numberingOrg [Optional]
| | | | | @codeList [Optional]
| | | | | @listName [Optional]
| | | | | @listVersion [Optional]
| | | | qty 0-1
| | | | | @um [Required]
| | | | itemsList 0-1
| | | | | qualityLevel 0-1
| | | | | | @numberingOrg [Optional]
| | | | | | @codeList [Optional]
| | | | | | @listName [Optional]
| | | | | | @listVersion [Optional]
| | | itemIdentification 1-unbounded

```

						serialN 1-9
						@numberingOrg [Optional]
						@idQualifier [Optional]
						lotN 0-2
						@numberingOrg [Optional]
						packageN 0-unbounded
						@numberingOrg [Optional]
						@packageContainerN [Optional]
						note 0-99
						@numberingOrg [Optional]
						@codeList [Optional]
						@noteLabel [Optional]

2.2 Detailed description of document elements

Following tables show all elements (complex and simple) used in this document. Description includes: 1) element's information: xml tag, name, brief description, data type and syntax constraints; 2) information about use of the element in a particular position in the document: xpath and possible associated notes.

2.2.1 Complex elements (Aggregate Business Information Entities)

Complex elements are those elements whose content is composed of other elements (childs).Complex elements are alphabetically ordered.

acsCode	full codification identifying an accessory product usually coupled with garment or other fashion product
actualPackageUnit	description and identification of a single transport package
attachment	an attached document. An attachment can refer to an external document or be included with the document being exchanged
certificate	Reference and details relating to a document containing a certification issued by a third party who is entitled to issue it - base type: ,
certifiedEntity	The entity (organisation, process, product..) for which the certification is valid.
certifiedParty	identification and details of the party to whom the certificate has been issued - base type: Nad,
csRange	range of color-size for a fashion article
deliveryLocation	data relating to a place of delivery - base type: Nad,
despatchLocation	data relating to a place of despatch - base type: Nad,
eventDestinationParty	identification and details of the party to whom an event is addressed - base type: Nad,
eventSourceParty	identification and details of the party that triggered an event - base type: Nad,
externalRefDoc	external document, used to refer generic office documents (like pdf, docx, xls, for example shop window instructions) - base type: ,
externalReference	details about an external object, such as a document stored at a remote location
garmentCode	codification of the garment product
garmentCodeA	codification of the garment product- type A
garmentCodeB	codification of the garment product - type B
garmentPartCode	codification of the component or part of a fashion article
garmentVariant	garment product variant
geoCoordinates	geographical coordinates
issuerParty	Details of the party that issued the document. - base type: Nad,
itemIdentification	serial identification of a product unit
itemsList	list of the single product units
packageDim	dimensions of a transport package
packageIdentification	serial identification of a package

packagesList	list of single packages
receiverParty	Details of the party receiving the document. - base type: Nad,
refDoc	identification of a document and of an item thereof, to which the message makes reference
senderParty	Details of the party sending the document. - base type: Nad,
signatoryParty	Details of the party that signed the document. - base type: Nad,
signatureInformation	information about the document signature
sizeMatrix	size matrix of an apparel product
sizeRow	size matrix row of an apparel product
texCode	full codification of the textile product
thirdParty	identification and details of the Third Party, different from Sender and Receiver of the document - base type: Nad,
trade	general terms of trade for the specified supply
transInfo	details of transport: mode, carrier and delivery place
TRCbody	body of the documents "Traceability Receiving Advise" and "Traceability Despatching Advise"
TRCheader	header of the Traceability documents ("Traceability Receiving Advise", "Traceability Despatching Advise", "Traceability Report", "Transparency and Sustainability Report")
TRCitem	line item of the documents "Traceability Receiving Advise" and "Traceability Despatching Advise"
TRCshipInfo	various information on transport and on transport packages referring to the content of the entire Traceability document
yarnCode	full codification of a yarn product

2.2.2 Simple elements (Basic Business Information Entities)

Simple elements are those elements whose content is characterized by a data type plus a domain of possible values. Simple elements are alphabetically ordered.

acceptQty	net quantity of a product received and accepted by the Receiving Party - base type: decimal, min inclusive: 0, fraction digits: 2,
actualItemsPerPackage	the quantity of items actually contained in the package - base type: decimal,
added	additional code of the product (complementing the formers) - base type: string, max length: 80,
additionalComponentCode	an additional code to identify a fashion product or a part of it (it is a way to codify the item, but it is not one of the codes to identify it). It is not a serial identifier. - base type: string,
@addType	qualifier of the additional coding of a product - base type: string, cod. table: T44 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T44.xml
art	article number of the product - base type: string, max length: 80,
artGroup	code identifying a class of products

	- base type: string, max length: 40,
binaryObject	a binary large object containing an attached document, Coding 'base64Binary' is recommended. - base type: base64Binary,
businessStepCode	It is the code identifying a step in the business process. It is recommended to declare the codeList or at least the numbering organisation - base type: string,
carrier	identification of the transport carrier - base type: string, max length: 40,
certificateID	Identifier of the certificate assigned by the issuer - base type: string,
certificationStandardName	it indicates the specification that has been used as normative basis of the certificate. (examples: 'GRS-global recycling standard' or 'Standard 100 OEKO-TEX') - base type: string,
@characterSet	the character set of the binary object (examples UTF-8, UTF-16, Windows-1252, ISO-8859-7,...) - base type: normalizedString,
characterSetCode	the character set of an external document (examples UTF-8, UTF-16, Windows-1252, ISO-8859-7,...) - base type: normalizedString,
city	name of the city (town, village) - base type: string, max length: 40,
@codeList	it specifies the URL where the list of codes used to make an instance of the element can be found - base type: string, max length: 255,
color	colour number of the product, when not included in the model or fabric code - base type: string, max length: 15,
country	code of the nation - base type: string, cod. table: T10 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T10.xml
@dateForm	format used for the date - base type: string, cod. table: NT29 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT29.xml
delEffectiveDate	estimated date for actual delivery, which may be different from what is foreseen by the agreements between the parties. Formatted according to one of the patterns indicated by the dateForm attribute: YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
deliveryPlace	place of delivery of goods, ultimate or related to a given leg - base type: string, max length: 250,
dept	name or code of a department - base type: string, max length: 40,
description	free text description. The content of the element must be unique, it might be translated and repeated into more languages (thus no more than one instance for each language). - base type: string, max length: 250,
despatchDate	date of despatch of goods, requested or promised in the purchase process, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
despatchPlace	place of despatch of goods, origin or related to a given leg - base type: string, max length: 250,
docDate	date of issue of the referenced document, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,

docID	identification number of the referenced document - base type: string, max length: 80,
@docStatusCode	current status of the document - base type: decimal, cod. table: NT313 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT313.xml
@docType	type or class to which the referenced document belongs - base type: string, cod. table: T21 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T21.xml
documentType	type or class to which the document belongs - base type: string, cod. table: T21 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T21.xml
@docValidity	document current validity indicator - base type: boolean,
drop	drop number of the garment - base type: string, max length: 15,
@email	electronic mail address of the contact person within a Party - base type: string, max length: 250,
@encoding	specifies the decoding algorithm of the binary object - base type: normalizedString,
encodingCode	the encoding/decoding algorithm used with the external object (example is 'base64Binary') - base type: normalizedString,
entityID	unique identification number assigned to an entity. - base type: string,
entityTypeCode	code that indicates the type of entity to which we refer - base type: string, cod. table: NT201 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT201.xml
eventDateTime	The date or date time value at which this event occurred. Formatted according to the pattern indicated by the dateForm attribute. - base type: string,
fabric	fabric number of the garment - base type: string, max length: 15,
@fax	fax number of the contact person within a Party - base type: string, max length: 35,
fileName	unique identifier (name) of the file - base type: string, max length: 255,
@format	the format of the binary content (examples xml, pdf, doc,...) - base type: string,
formatCode	the format of the external object (examples xml, pdf, doc,...) - base type: normalizedString,
@geoReferenceSystem	georeference system adopted for the coordinate (in example wgs84 with decimal degree o degree with minute and seconds) - base type: string,
gPart	code specifying the type of component or part of a fashion product (sleeve, neck, ...) - base type: string, cod. table: T48 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T48.xml
grossWeight	the gross weight, declared for transport or customs purpose - base type: decimal, min inclusive: 0, fraction digits: 2,
height	effective height of a specified object - base type: decimal, min inclusive: 0, fraction digits: 2,
id	primary identification code of a Party; it is recommended the format: nation code (ISO 3166) + VAT identification number (11 crt), with the qualifier "numberingOrg"= MF

	- base type: string, max length: 15,
@idQualifier	Qualification of the identifier. - base type: string,
incoTerm	specification of the terms of trade (INCOTERMS) - base type: string, cod. table: T3 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T3.xml
incoTermText	free text specifying the terms of trade (incoterm, location) - base type: string, max length: 250,
issuerAccreditationInfo	accrediting information of the issuer of the document - base type: string,
@isURL	it indicates if the referred element is an URL (true) or not (false) - base type: boolean,
itemID	number of the line/item of the referenced document - base type: string, max length: 40,
legalName	legal name - base type: string, max length: 250,
length	effective length of a specified object - base type: decimal, min inclusive: 0, fraction digits: 2,
lineID	unique identifier of the line item of the business document; it is set by the role that produces the document. - base type: string, max length: 30,
lineN	number of the line item of the present message (xml document); it is set by the role that produces the document. Usually it is a progressive number, but not always. - base type: positiveInteger, min inclusive: 1, max inclusive: 9999,
@listName	the name of the list of codes used to make an instance of the element (it might be thought as descriptive element, i.e. 'fabric printing technologies', or not, i.e. "T264") - base type: string, max length: 40,
@listVersion	it specifies the version of the list of codes used to make an instance of the element - base type: string, max length: 6,
@ln	Language code. - base type: string, cod. table: NT60 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT60.xml
location	specification of a location - base type: string, max length: 40,
lotN	lot number of a product or batch number of the raw material - base type: string, max length: 15,
@LRI	attribute usable to format a string according to a customized User rule (local rule) - base type: string, cod. table: NT3 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT3.xml
@mime	the mime type of the binary object - base type: normalizedString,
mimeCode	mime type of the external object - base type: normalizedString,
mod	model number of the garment - base type: string, max length: 15,
msgDate	date of issue of the present message (xml document), according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
msgID	key identifier of the business document in the information system of the issuing Party. In case of more despatches of the same business document, it is unchanged. - base type: string, max length: 35,

msgN	identification number given to the message (xml document) by its issuer. In case of more despatches of the same business document, it changes. - base type: string, max length: 35,
netWeight	the net weight declared for transport or customs purpose - base type: decimal, min inclusive: 0, fraction digits: 2,
note	free text or structured (computer processing) note. For note structuring use the attributes "noteLabel" and "codelist" - base type: string, max length: 350,
@noteLabel	subject qualifier of a note - base type: string, max length: 35,
@numberingOrg	code specifying the organisation who has created or owns the coding or numbering system - base type: string, cod. table: NT6 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT6.xml
package	code specifying the type of transport package - base type: string, cod. table: T11 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T11.xml
@packageContainerN	reference usable to indicate the outer package containing this package - base type: string, max length: 40,
@packageLevel	level used to indicate the hierarchical structure of the packages (from outer to inner levels) - base type: positiveInteger, min inclusive: 1, max inclusive: 9,
packageModelCode	a code (eg a barcode) identifying the type of packaging - base type: string,
packageN	serial number used to identify a transport package - base type: string, max length: 40,
packageText	denomination of the type of transport package (text) - base type: string, max length: 80,
pattern	pattern/design number of the product, when not included in the article code - base type: string, max length: 15,
person	name of a person (e.g. contact person within an organization) - base type: string, max length: 40,
phaseCode	Code that identifies a production phase of a fashion product. - base type: string,
@phone	phone number of the contact person within a Party - base type: string, max length: 35,
postCode	code defining the postal zone - base type: string, max length: 10,
@progr	progressive number in the sequence - base type: positiveInteger, min inclusive: 1,
@propulsionSystemCode	propulsion system type - base type: string, cod. table: NT324 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT324.xml
qty	net quantity of the article or object correlated, qualified by the function of the document (ordering, delivering, ..) and by the context - base type: decimal, min inclusive: 0, fraction digits: 2,
qtyVariance	difference between two quantities qualified by the context (e.g.: delivered vs. ordered; received vs. despatched etc..) - base type: decimal, fraction digits: 2,
qualityLevel	the product quality level (first choice, second choice,...). - base type: string,
@role	Third Party role qualifier

	- base type: string, cod. table: NT2 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT2.xml
routeLength	length of a route - base type: decimal, min inclusive: 0, fraction digits: 2,
@schemeID	identifier of an identification scheme - base type: string,
season	sale season; defined as: season (1 crt) + year (4 crt) - season: S/S=1 A/W=2 Spring=3 Summer=4 Autumn=5 Winter=6: for more than four seasons use alphabetic sequence: 1st season=A 2nd season=B etc.etc. - base type: string, max length: 15,
@sender	qualifier that specifies the Party issuing of the document - base type: boolean,
serialN	serial number used for the identification of a physical unit - base type: string, max length: 250,
signatureTypeCode	indicator of existing and type of signature - base type: string,
size	size number of a fashion product (knitwear, clothing, ..) - base type: string, max length: 15,
@sizeSystemBase	base of the size system - base type: string, cod. table: T423 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T423.xml
@sizeSystemID	the identifier of the size system. - base type: string,
@sizeSystemNat	nation or agency identifying the size system - base type: string, cod. table: T421 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T421.xml
@sizeSystemSeg	market segment identifying the size system - base type: string, cod. table: T422 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T422.xml
@standardOwner	standard owner is the organisation that owns and manages the standard specifications (for example Textile exchange or OEKO-TEX) - base type: string,
street	street and building number identifying a location - base type: string, max length: 80,
subCountry	short name or code of the sub-country entity - base type: string, max length: 9,
subDept	name or code of a department - base type: string, max length: 40,
sustainabilityCharacteristicText	text that describes a single sustainability characteristic (for example a claim). The content of the element must be unique, it might be translated and repeated into more languages (thus no more than one instance for each language). - base type: string, min length: 1,
@TAtype	type of Despatch advise - base type: string, cod. table: NT10 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT10.xml
title	document title - base type: string,
traceabilityPartyRole	role that the party plays in the process covered by the traceability process. It is recommended the list https://www.ebiz.enea.it/eBIZ/implement/eBIZTCU-Draft.asp?lingua=en&page=6&modo=d&tabe=136&contestoscelto=TexWeave&nomenu=2 - base type: string,
transCondition	special condition of transport or special service requested to the Forwarder - base type: string, cod. table: T38

	http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T38.xml
transConditionText	free text description of the special condition of transport or special service requested to the Forwarder - base type: string, max length: 250,
transMeans	means of transport, in general or referred to a specific leg - base type: string, cod. table: T40 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T40.xml
transMode	way of transport, in general or referred to the specified leg - base type: string, cod. table: T8 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T8.xml
@transReason	reason for the transport - base type: string, cod. table: NT11 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT11.xml
@uid	unique element identifier within the xml document - base type: string,
@um	specification of the unit of measure - base type: string, cod. table: NT7 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT7.xml
uniqueProductID	Unique product identifier. It identifies the product completely, differentiating any variants, sizes, colors, etc. It should be unique throughout the whole value chain. (It can be the GTIN) - base type: string, max length: 80,
uri	Uniform Resource Identifier (URI) that identifies the external object as an Internet resource - base type: normalizedString,
@useProfile	use profile to which the present document is compliant if it was agreed by the parties. It is suggested a URI with reference to the firms or the URL of the profile. - base type: string,
validityEnd	date by which the validity ends, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
validityExtensionDate	end date of validity resulting from extension, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
validityStart	date by which the validity starts, according to one of the patterns YYYY-MM-DD, YYYY-MM-DD:HH-MM or YYYY-WW. - base type: string,
variantCode	Code of variant used for fashion product. - base type: string,
variantType	Type of variant used for fashion product (examples: 'treatment', 'washing type', 'size class',...) - base type: string,
@varReason	reason for the difference between the two quantities specified by the context - base type: string, cod. table: T46 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_T46.xml
@VAT	VAT rate or code (DEPRECATED, use dtScheme element) - base type: string, cod. table: NT16 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT16.xml
@version	Dictionary version from which the instance has been created - base type: string, cod. table: NT100 http://www.ebiz.enea.it/moda-ml/repository/codelist/draft/gc_NT100.xml
volume	effective volume of a specified object - base type: decimal, min inclusive: 0, fraction digits: 2,
width	effective width of a specified object

	- base type: decimal, min inclusive: 0, fraction digits: 2,
xGeoCoord	geographical coordinate x , corresponding to latitude - base type: decimal,
yGeoCoord	geographical coordinate y , corresponding to longitude - base type: decimal,
zGeoCoord	geographical coordinate z , corresponding to altitude - base type: decimal,

2.3 Suggested best practices

TRCDesAdvise/TRCbody/TRCitem/refDoc/docID (identification number of the referenced document)

numberingOrg indicates the role that produced the document identifier (it is allowed to declare two different ones -e.g. customer and supplier - with two docID with different numberingOrg

TRCDesAdvise/TRCheader/refDoc/docID (identification number of the referenced document)

numberingOrg indicates the role that produced the document identifier (it is allowed to declare two different ones -e.g. customer and supplier - with two docID with different numberingOrg

**TRCDesAdvise/TRCheader/externalRefDoc/attachment/
externalReference/mimeCode (mime type of the external object)**

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

**TRCDesAdvise/TRCheader/refDoc/attachment/
externalReference/mimeCode (mime type of the external object)**

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

**TRCDesAdvise/TRCbody/TRCitem/refDoc/attachment/
externalReference/mimeCode (mime type of the external object)**

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

**TRCDesAdvise/TRCheader/certificate/attachment/
externalReference/mimeCode (mime type of the external object)**

Use coding from IANA <http://www.iana.org/assignments/media-types/media-types.xml>

**TRCDesAdvise/TRCbody/TRCitem/csRange/sizeMatrix/
sizeRow/itemsList/itemIdentification/serialN (serial number used for the identification of a physical unit)**

in the case of garment with RFID for anti-counterfeiting, RFID EPCGlobal for logistics and NFC for the customer experience there should be three serial elements with pairs of attributes numberingOrg/idQualifier: "CL"/"RFID", "GS1"/"RFID", "CL"/"NFC".

**TRCDesAdvise/TRCshipInfo/actualPackageUnit/
itemsList/itemIdentification/serialN (serial number used for the identification of a physical unit)**

in the case of garment with RFID for anti-counterfeiting, RFID EPCGlobal for logistics and NFC for the customer experience there should be three serial elements with pairs of attributes numberingOrg/idQualifier: "CL"/"RFID", "GS1"/"RFID", "CL"/"NFC".

2.4 Enumeration tables

List of enumeration tables used in the XML document. You can find all the tables with the corresponding codes at:
<http://www.ebiz.enea.it/eBIZ/imple/eBIZTCU-draft.asp?lingua=en&pag=6>

NT10 - Despatch Advise type
NT100 - eBIZ TCFUpstream version
NT11 - transport causal
NT16 - VAT rate or code
NT2 - third party qualifier
NT201 - entity type
NT29 - format of a date
NT3 - data format
NT313 - status of the document
NT324 - propulsion system type
NT6 - coding system owner/issuer
NT60 - language, codes from ISO 639-1 (subset)
NT7 - unit of measure
T10 - ISO3166 - Country
T11 - transport package type
T21 - type of document
T3 - terms of delivery - IncoTerms
T38 - transport conditions
T40 - type of transport means
T421 - size system: nationality
T422 - size system: market segment
T423 - size system: base
T44 - additional code type
T46 - quantity variance reason
T48 - garment part type
T8 - Modes of Transport

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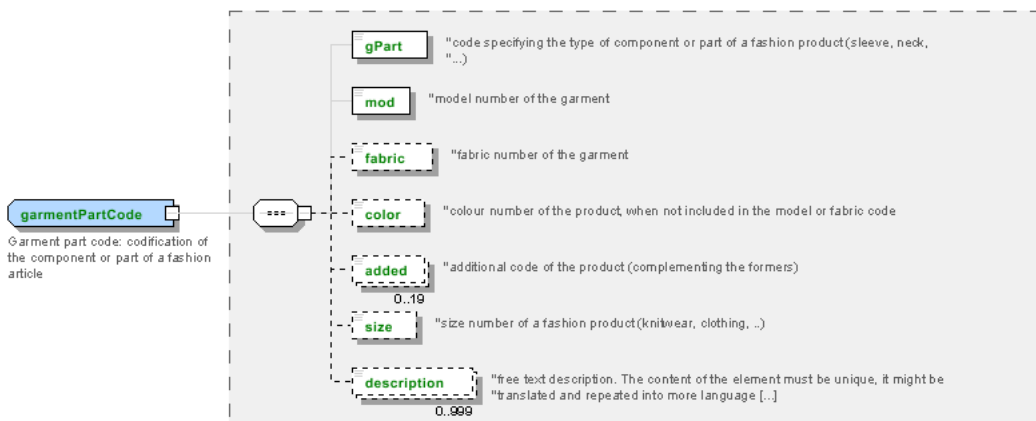
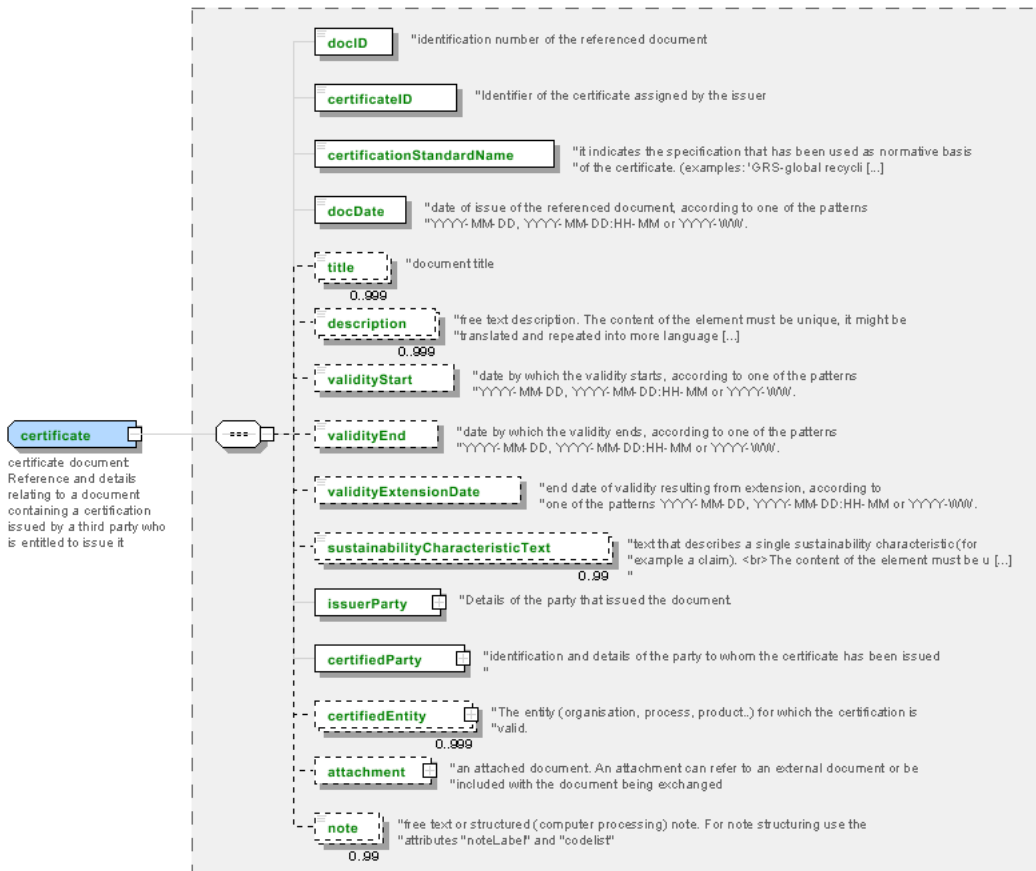
DISCLAIMER

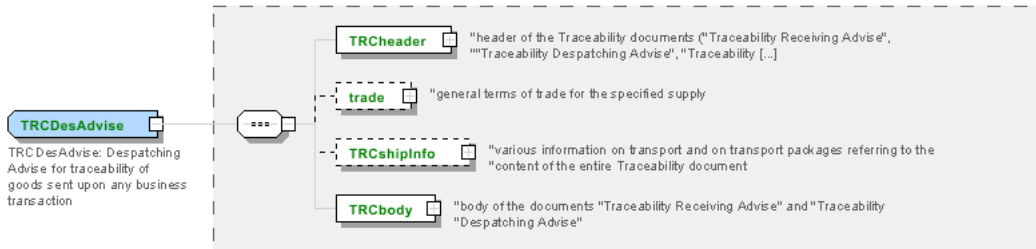
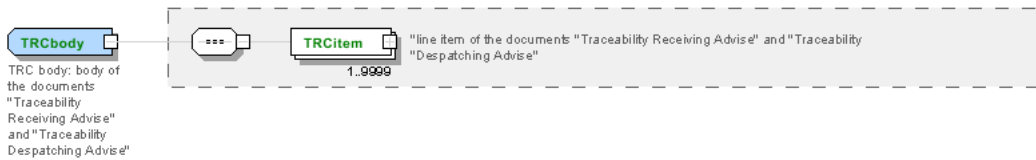
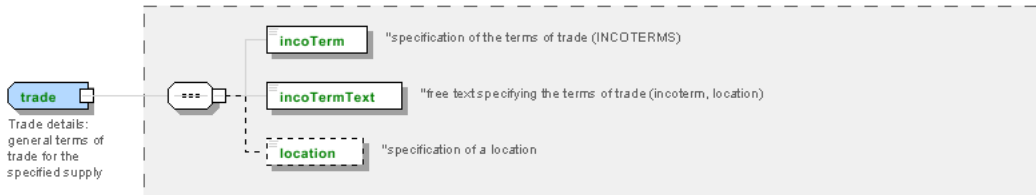
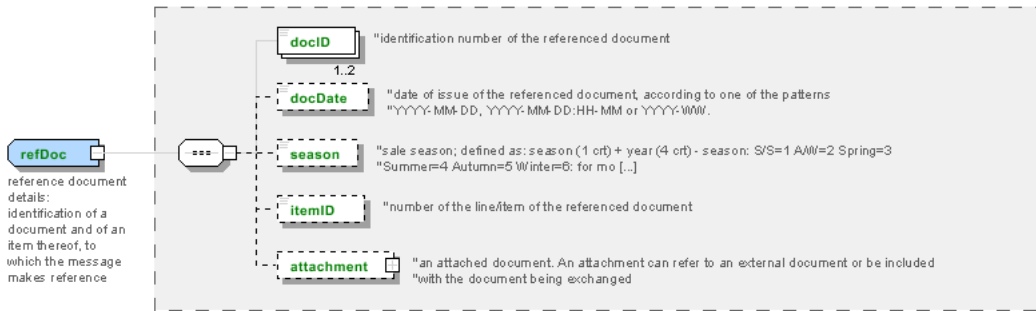
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Annex A

Representative images of the principal complex elements' structure.

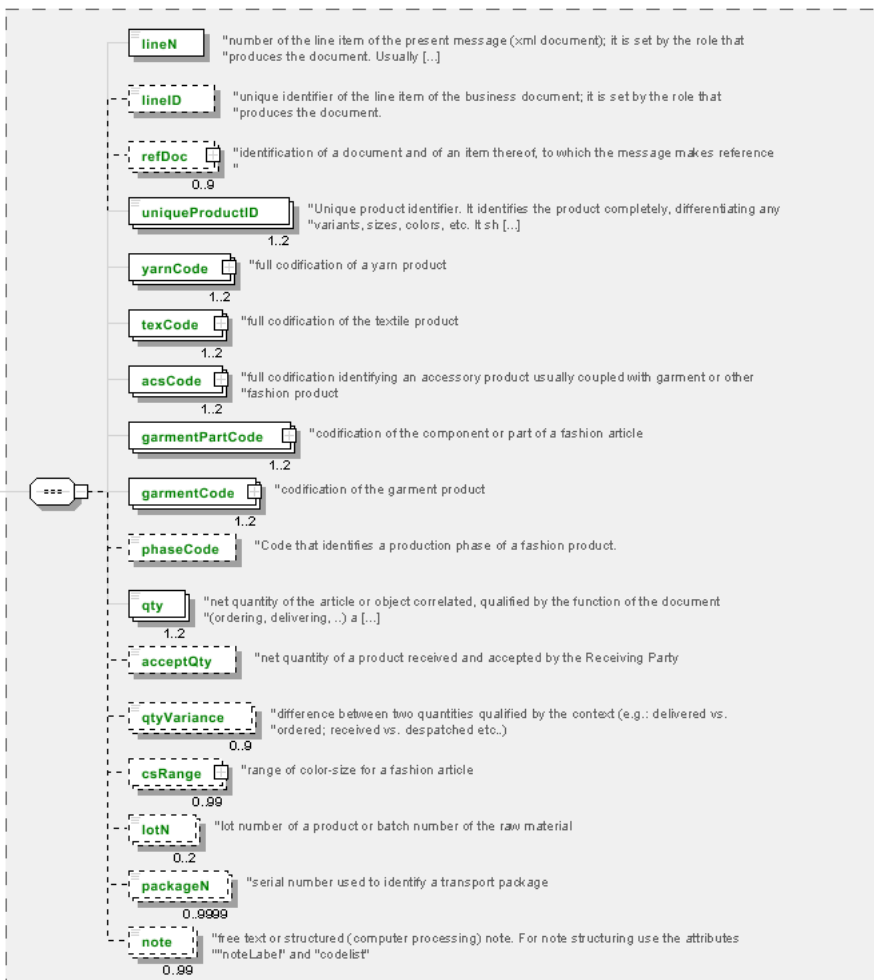




TRCheader
 TRC header: header of the Traceability documents ("Traceability Receiving Advice", "Traceability Despatching Advice", "Traceability Report", "Transparency and Sustainability Report")



TRCitem
 TRC item: line item of the documents "Traceability Receiving Advice" and "Traceability Despatching Advice"



TRCshipInfo

TRC shipping information: various information on transport and on transport packages referring to the content of the entire Traceability document

